Physics 2210, Spring 2011

Readings from Halliday, et al.

	Monday	Tuesday	Wednesday	Thursday	Friday
January	3 Overview; Measurement Chapter 1	4 Velocity in One Dimension 2.1 - 2.5	5 Acceleration in 1D 2.6	6 Constant Acceleration 2.7 - 2.10	7 Problem Set and Quiz #1
	10 Vectors 3.1 - 3.4	11 More about Vectors 3.5 - 3.7	12 Velocity and Accel. Vectors 4.1 - 4.4	13 Problem Set and Quiz #2	14 Projectile Motion 4.5 - 4.6
	17 M. L. King Day	18 Uniform Circular Motion 4.7 - 4.9	19 Newton's First Law 5.1 - 5.3	20 Problem Set and Quiz #3	21 Newton's Second Law 5.4 - 5.6
	24 **Test** (problem sets 1-3)	25 Types of Forces 5.7, 6.1 - 6.3	26 Force Diagrams 5.9	27 Problem Set and Quiz #4	28 Constrained Motion Problems 5.9
February	31 Circularly Constrained Motion 6.5	1 Newton's Third Law 5.8	2 Problem Set and Quiz #5	3 Third Law Problems 5.9	4 Systems of Particles 9.1 - 9.3
	7 Momentum 9.4 - 9.7	8 Collisions 9.8 - 9.11	9 Problem Set and Quiz #6	10 Kinetic and Grav'l Energy 7.1 - 7.3, 8.1 - 8.4	11 **Test** (problem sets 4-6)
	14 Elastic Energy 8.4 - 8.5	15 Energy Diagrams 8.6	16 Problem Set and Quiz #7	17 Work 7.4 - 7.8	18 More about Work 8.7
	21 Presidents Day	22 The Many Forms of Energy 7.9, 8.8	23 Problem Set and Quiz #8	24 Rotational Kinematics 10.1 - 10.5	25 Rotational Dynamics 10.6 - 10.10, 11.1 - 11.6
March	28 Angular Momentum 11.7 - 11.11, ch. 12	1 Problem Set and Quiz #9	2 Gravitation 13.1 - 13.5	3 **Test** (problem sets 7 - 9)	4 Gravitational Energy 13.6 - 13.8
	7 Oscillations chapter 15	8 Describing Waves 16.1 - 16.3	9 Problem Set and Quiz #10	10 Sinusoidal Waves 16.4 - 16.5	11 Wave Dynamics 16.6 - 16.7
	14	15	16 Spring Break	17	18
	21 Standing Waves 16.9 - 16.13	22 Sound Waves 17.1 - 17.4	23 Interference 17.5 - 17.9	24 Problem Set and Quiz #11	25 Temperature 18.1 - 18.5
	28 **Test** (problem sets 10 - 11)	29 Solids, Liquids, and Gases (computer simulation)	30 The Ideal Gas Law 19.1 - 19.3	31 Compression Work 18.9	1 Problem Set and Quiz #12
April	4 Heat 18.10 - 18.12	5 Specific Heat 18.7 - 18.8	6 Molecular Collisions 19.4 - 19.5	7 Equipartition of Energy 19.8 - 19.11	8 Problem Set and Quiz #13
	11 Entropy 20.8	12 Entropy and Heat 20.1 - 20.4	13 Engines and Refrigerators 20.5	14 Limits on Efficiency 20.6 - 20.7	15 Problem Set and Quiz #14
	18 Review for Final Exam	19	20 **Final Exam** 1:00 - 2:50 pm	21	22